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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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EXAMINER

ART UNIT	PAPER NUMBER
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72

DATE MAILED:

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

Office Action Summary

Application No.	Applicant(s)
08 444,994	Palese et al.
Examiner	Group / Art Unit
Jeffrey S. Parkin, Ph.D.	1648



X Responsive to communication(s) filed on 15 Apr 1999

This action is **FINAL**.

Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for response to this action is set to expire 1 month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

Disposition of Claims

X Claim(s) 1-17 and 46-56 is/are pending in the application.

Of the above, claim(s) _____ is/are withdrawn from consideration.

Claim(s) _____ is/are allowed.

Claim(s) _____ is/are rejected.

Claim(s) _____ is/are objected to.

X Claim(s) 1-17 and 46-56 are subject to restriction or election requirement.

Application Papers

See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.

The drawing(s) filed on _____ is/are objected to by the Examiner.

The proposed drawing correction, filed on _____ is approved disapproved.

The specification is objected to by the Examiner.

The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

All Some* None of the CERTIFIED copies of the priority documents have been received

received in Application No. (Series Code Serial Number) _____

received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

*Certified copies not received:

Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

Notice of References Cited, PTO-892

Information Disclosure Statement(s), PTO-1449, Paper No(s). _____

Interview Summary, PTO-413

Notice of Draftsperson's Patent Drawing Review, PTO-948

Notice of Informal Patent Application, PTO-152

--- SEE OFFICE ACTION ON THE FOLLOWING PAGES ---

Serial No.: 08/444,994
Applicants: Palese et al.

Docket No.: 6923-0054
Filing Date: 05/19/95

Restriction Requirement

Status of the Claims

1. Amendment is hereby made of the response submitted 15 April, 1999, wherein claims 1 and 2 were amended and new claims 46-56 were submitted. Claims 1-17 and 46-56 are pending. Applicants are reminded that pursuant to 37 C.F.R. § 1.142 a restriction requirement "may be made at any time before final action in the case, if the circumstances so demand."

Fax Response Pilot for Written Restriction Requirements

10 2. In an effort to enhance communication with our customers and reduce processing time, Group 1640 is running a Fax Response Pilot for Written Restriction Requirements. A dedicated Fax machine is in place to receive your responses. The Fax number is (703) 305-3704. A Fax cover sheet is attached to this Office Action for your convenience. We encourage your participation in this Pilot program. If you have any questions or suggestions please contact Paula Hutzell, Ph.D., Supervisory Patent Examiner at Paula.Hutzell@uspto.gov or 703-308-4310. Thank you in advance for allowing us to enhance our customer service. **Please limit the use**
15 **of this dedicated Fax number to responses to Written Restrictions.**

Restriction/Election

3. Restriction to one of the following inventions is required under 35 U.S.C. § 131:

25 a. Group I, claims 1-2, 11-17, and 48 drawn to an assay for identifying inhibitors of influenza virus **nucleoprotein**-host cell protein binding interactions, classified in class 434, subclass 5.
b. Group II, claims 3-10, 19-21, and 49 drawn to an assay for identifying inhibitors of influenza virus **NS1**-host cell protein binding interactions, classified in class 434, subclass 1.

5 . Group III, claim(s) 40 and 41, drawn to an assay for identifying
inhibitors of viral protein-host cell viral transport protein
binding interactions, classified in class 435, subclass 1.

10 i. Group IV, claim(s) 42 and 51, drawn to an assay for identifying
inhibitors of **parainfluenza virus** protein-host cell protein
binding interactions, classified in class 435, subclass 1.

15 e. Group V, claim(s) 43 and 52, drawn to an assay for identifying
inhibitors of **measles virus** protein-host cell protein binding
interactions, classified in class 435, subclass 5.

20 f. Group VI, claim(s) 44 and 53, drawn to an assay for identifying
inhibitors of **respiratory syncytial virus** protein-host cell
protein binding interactions, classified in class 435, subclass 5.

25 g. Group VII, claim(s) 51, drawn to an assay for identifying
inhibitors of **human immunodeficiency virus** protein-host cell
protein binding interactions, classified in class 435, subclass 5.

30 h. Group VIII, claim(s) 52, drawn to an assay for identifying
inhibitors of **herpes viridae** [sic: Herpesviridae] virus
nucleoprotein-host cell protein binding interactions, classified
in class 435, subclass 5.

35 i. Group IX, claim(s) 53, drawn to an assay for identifying
inhibitors of **adenoviridae** [sic: Adenoviridae] protein-host cell
protein binding interactions, classified in class 435, subclass 5.

40 j. Group X, claim(s) 54, drawn to an assay for identifying inhibitors
of **bunyaviridae** [sic: Bunyaviridae] protein-host cell protein
binding interactions, classified in class 435, subclass 5.

45 k. Group XI, claim(s) 55, drawn to an assay for identifying
inhibitors of **arenaviridae** [sic: Arenaviridae] protein-host cell
protein binding interactions, classified in class 435, subclass 5.

l. Group XII, claim(s) 56, drawn to an assay for identifying
inhibitors of **orthomyxovirus-like protein-host cell protein**
binding interactions, classified in class 435, subclass 5.

4. The inventions are distinct, each from the other in one or more of the
following reasons:

5. Inventors I-XII are unrelated. Inventors are unrelated if it
can be shown that they are not disclosed as capable of use
together, or they have different modes of operation, or they have

different inventions, and they have different inventive concept.
In fact, it is noted, in the instant case, that the claimed methods employ different viral proteins (e.g., Hb; Hbc; Hdc; Hcc) from different virus families (e.g., Orthomyxoviridae; Arenaviridae; Herpesviridae; Poxviridae; Adenoviridae; Herpesviridae; Paramyxoviridae; Lentiviridae) and genera (e.g., Paramyxovirus; Morbillivirus; Pneumovirus). These viruses are all genotypically and phenotypically distinct. Accordingly, each method will employ different viral and cellular proteins thereby necessitating separate and independent searches. Therefore, each invention is clearly drawn toward a different inventive concept.

6. Because these inventions are distinct for the reasons given
15 above and have acquired a separate status in the art as shown by their different classification, requirement for independent searches, and recognized divergent subject matter, restriction for examination purposes as indicated is proper.

20 **Claim Cancellation**

7. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 C.F.R. § 1.48(b) if one or more of the currently named inventors is no longer an inventor or at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a currently-filled petition number of 37.C.F.R. § 1.48(e) and by the fee required under 37 C.F.R. § 1.17(e).

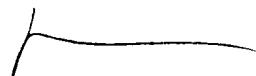
Correspondence

8. The Art Unit location of your application in the Patent and Trademark Office has changed. To facilitate the correlation of related papers and documents for this application, all future correspondence should be directed to **art unit 1648**.

5. Correspondence related to this application may be submitted to the Office by facsimile transmission. The timing of such paper must conform with the notice published in the Official Gazette, 116 OG 30 (November 15, 1989). Official communications should be directed toward one of the following Group 1600 fax numbers: (703) 308-4242 or (703) 308-3014. Informal communications may be submitted directly to the Examiner through the following fax number: (703) 308-4426. Applicants are encouraged to notify the Examiner prior to the submission of such documents to facilitate their expeditious processing and entry.

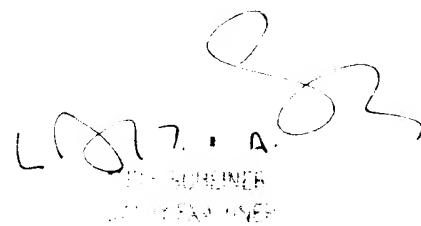
10. Any inquiry concerning this communication should be directed to Jeffrey S. Parkin, Ph.D., whose telephone number is (703) 308-2051. The examiner can normally be reached Monday through Thursday from 8:30 AM to 6:00 PM. A message may be left on the examiner's voice mail service. If attempts to reach the examiner are unsuccessful, the examiner's supervisors, Chris Eisenschenk, J.D., Ph.D., or Laurie Scheiner, can be reached at (703) 308-0452 or (703) 308-1122, respectively. Any inquiry of a general nature or relating to the status of this application should be directed to the Group 1600 receptionist whose telephone number is (703) 308-6144.

Respectfully,



Jeffrey S. Parkin, Ph.D.
Patent Examiner
Art Unit 1648

17 July, 1999



Laurie Scheiner
J.D.
Patent Examiner



RESTRICTION/ELECTION FACSIMILE TRANSMISSION

DATE:

FROM/ATTORNEY:

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**PLEASE NOTE: THIS FACSIMILE NUMBER IS TO BE USED ONLY
FOR RESPONSES TO RESTRICTIONS.**

COMMENTS: _____

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IN COMPLIANCE WITH 1096 OG 3Q, THE FILING DATE ACCORDED EACH OFFICIAL FAX TRANSMISSION WILL BE DETERMINED BY THE FAX MACHINE DATE STAMP FOUND ON THE LAST PAGE OF THE TRANSMISSION, UNLESS THAT DATE IS A SATURDAY, SUNDAY, OR FEDERAL HOLIDAY WITHIN THE DISTRICT OF COLUMBIA, IN WHICH CASE THE OFFICIAL DATE OF RECEIPT WILL BE THE NEXT BUSINESS DAY.

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